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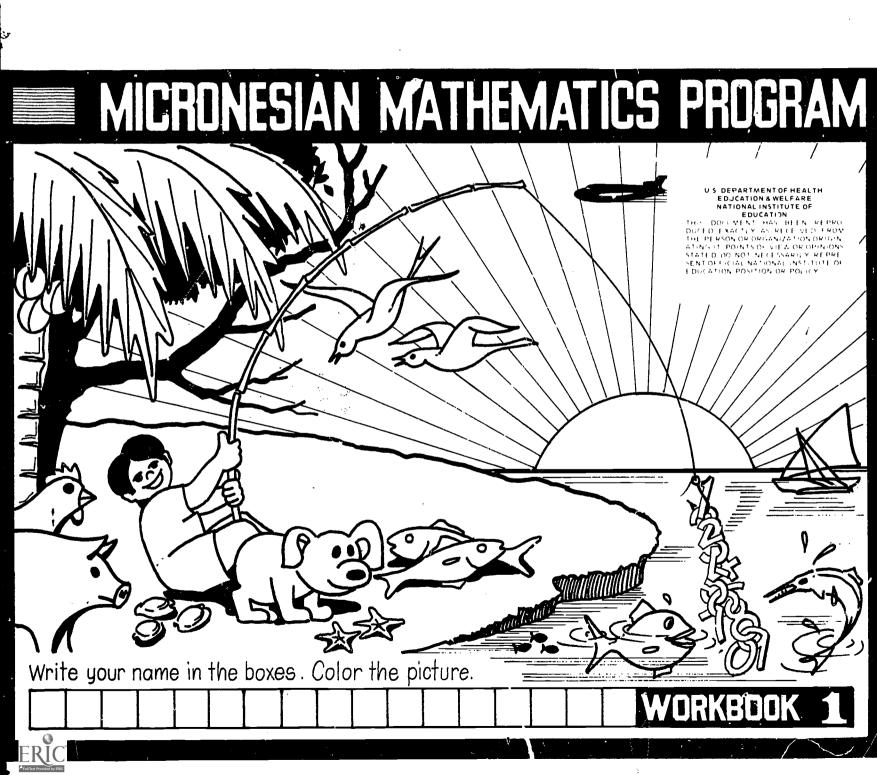
Recognition; *Workbcoks; Worksheets

IDENTIFIERS Elementary Secondary Education Act Title III; ESEA

Title III

ABSTRACT

This workbook for children was prepared especially to accompany the level 1 Micronesian Mathematics Program Teacher's Guide. It is to be used to check whether children have learned concepts taught by activities and activity cards. Work is provided for such concepts as color recognition, categorizing, counting, ordering, numeration, contrasting, shape and pattern recognition as well as other basic relationships such as "bigger or smaller than" or "the same size as." Most of the objects represented on the cards are appropriate for children living in a Polynesian culture, but recognizable by all children. This work was prepared under an ESEA Title III contract. (JP)



MICRONESIAN MATHEMATICS PROGRAM LEVEL 1

CHILDREN'S WORKBOOK

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Trust Territory of the Pacific Islands

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H.Q. Education Office

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TO THE TEACHER:

This workbook for the children has been prepared especially to accompany the level I Micronesian Mathematics Program Teacher's Guide. The work cards are for use only with the structured games section.

For effective learning, please use the book in the following manner.

- 1. Do the activity cards from level I M.M.P. teacher guide <u>first</u>. Then do the appropriate work cards from the workbook. The workbook <u>page</u> is a way of checking or testing to see whether the children have learned the concept from the activity lesson.
- 2. Not every activity card in M.M.P. level one has a work card, since there might be 2 or 3 activity cards leading only to one concept. The children's workbook test concepts, not individual cards.
- 3. The children will probably not be able to read the instructions. You will have to read the instructions to them. Do not tell them the answers. You could get the children to write the English or vernacular directions on the cards for themselves.
- 4. At the back of the book there are some number skill pages. This section can be used at special times. You should check every page to see that the children write correctly. You might want to add more lessons of your own. These cards should be started about 2 weeks after the Structured games have begun.
- 5. Arrange for the children to take their workbooks home to show their parents what they are doing in mathematics.
- 6. If you find a page that cannot be taught because it has no meaning in your local language, teach the concept in English.



I hope that you and the children you teach will find this book worthwhile, useful and a lot fun.

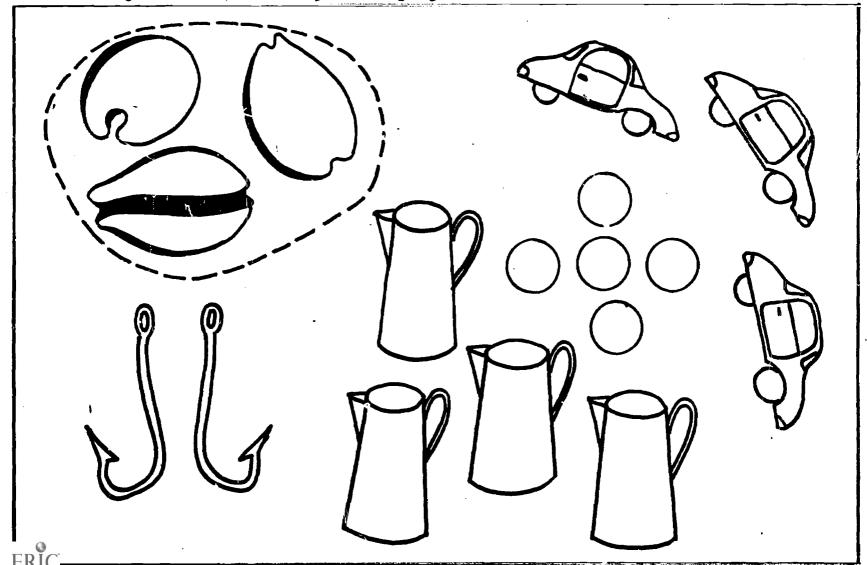
Carolyn Gring



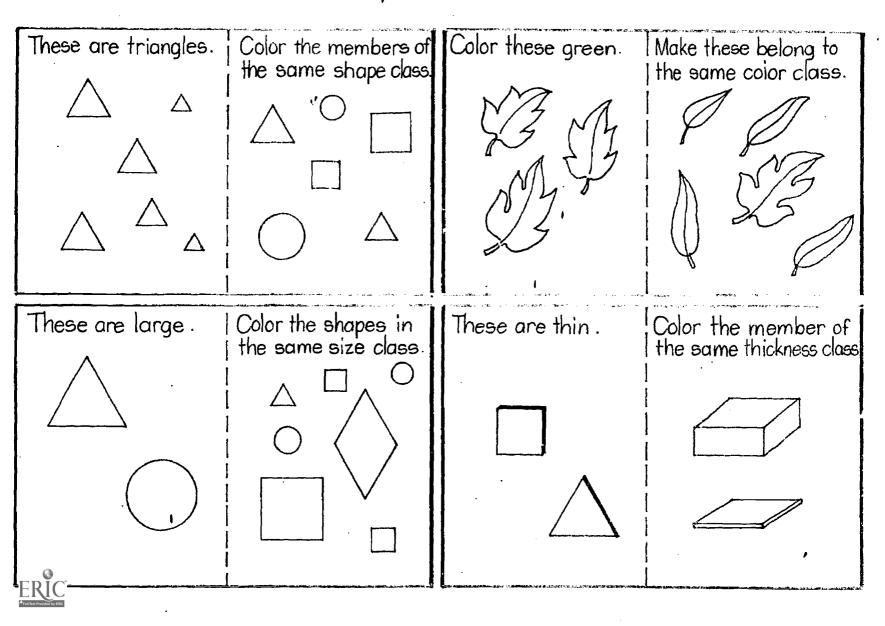
SETS OF LIKE KIND

To be used after completion of Cards 1, 2, 3

Draw rings around the things belonging to the same set.



EQUIVALENT CLASSES To be used after completion of Cards 39 & 4

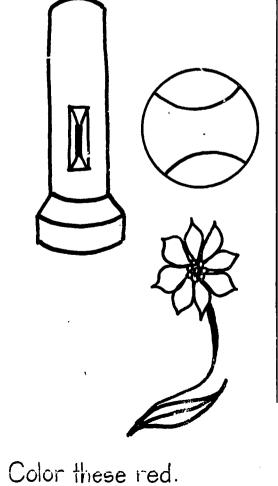


COLOR RECOGNITION

To be used after completion of Cards 5 and 6

YELLOW BLUE ERIC or these yellow.

Color these blue.

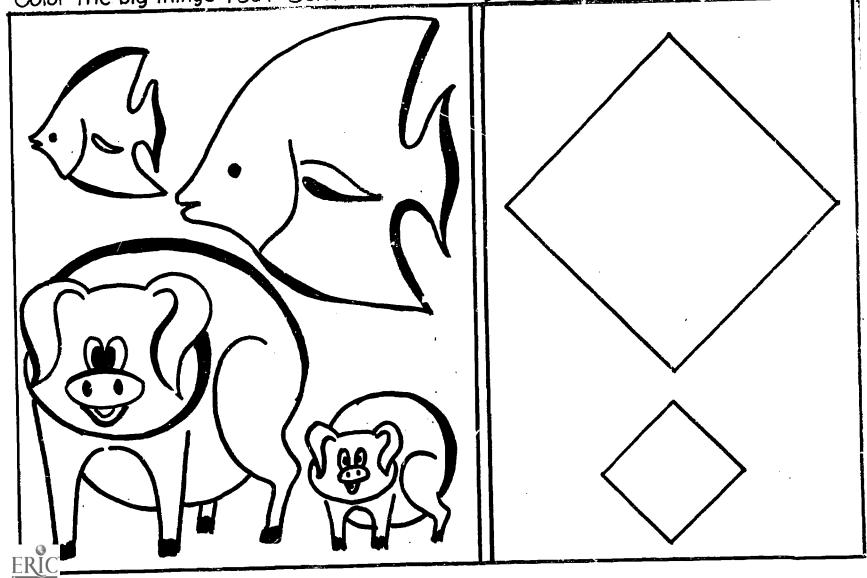


RED

BIG - LITTLE

To be used after completion of Card 7

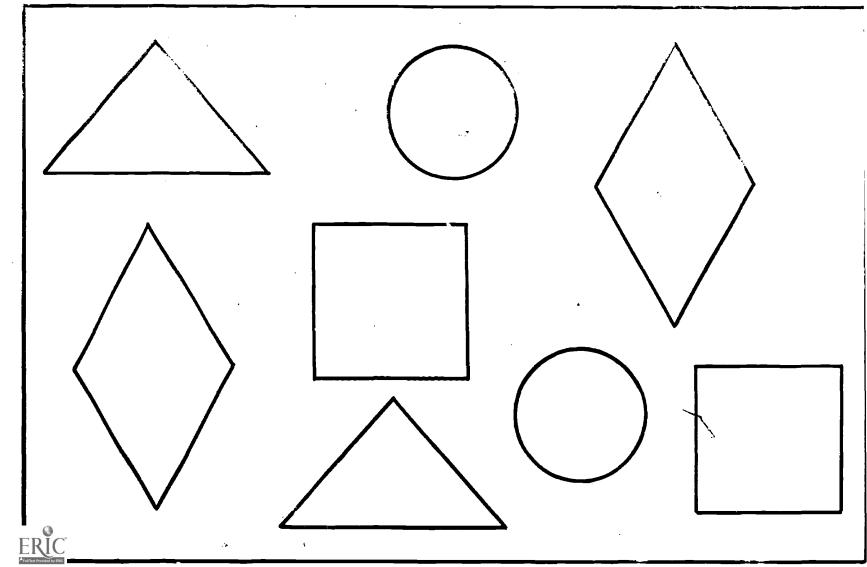
Color the big things red. Color the little things blue.



MATCHING SHAPES

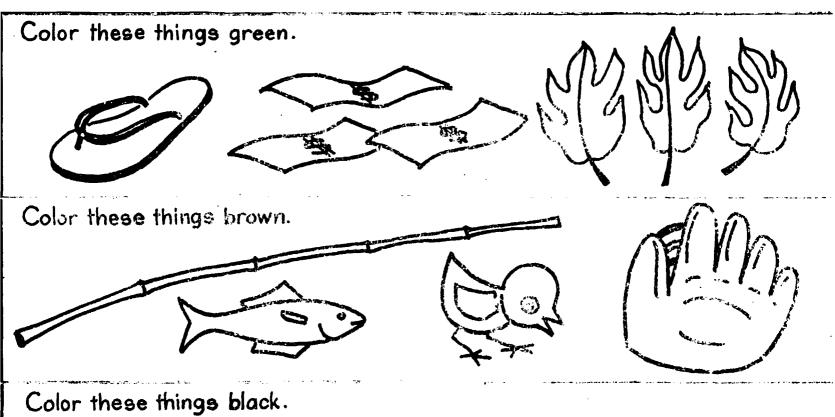
To be used after completion of Card 10

Draw lines to the shapes that are alike. Color one kind of shape one polor.



COLOR NAMES

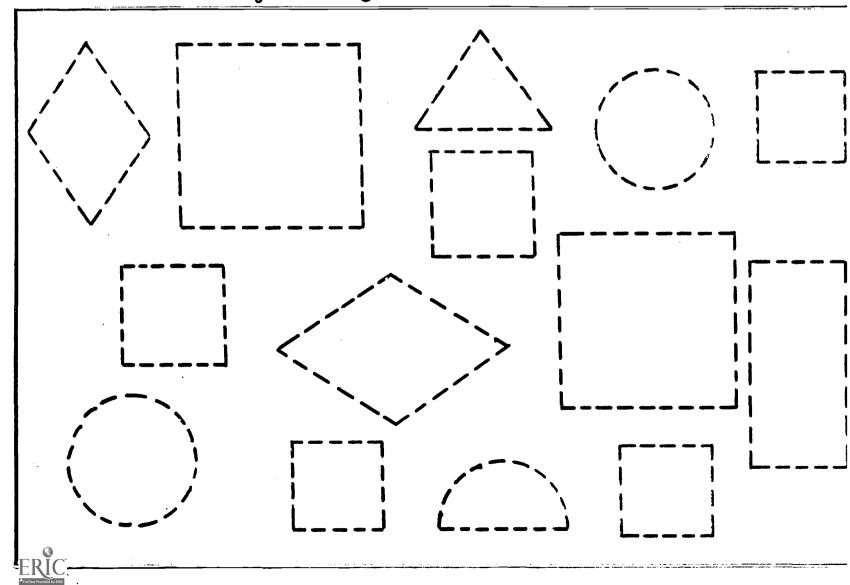
To be used after completion of Cards 11 to 13A



SQUARES

To be used after completion of Card 14

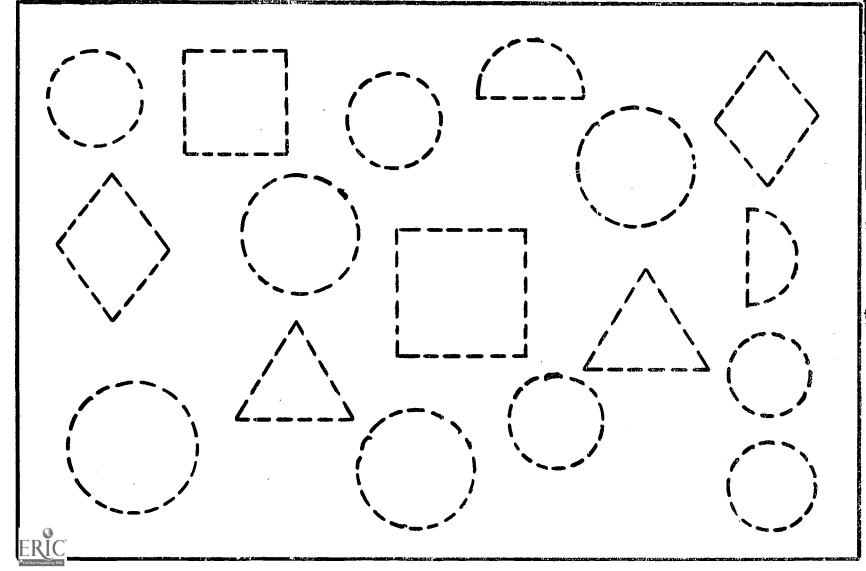
Trace around the squares only. Color them.



CIRCLE

To be used after completion of Card 15

Trace only the circles and color them.

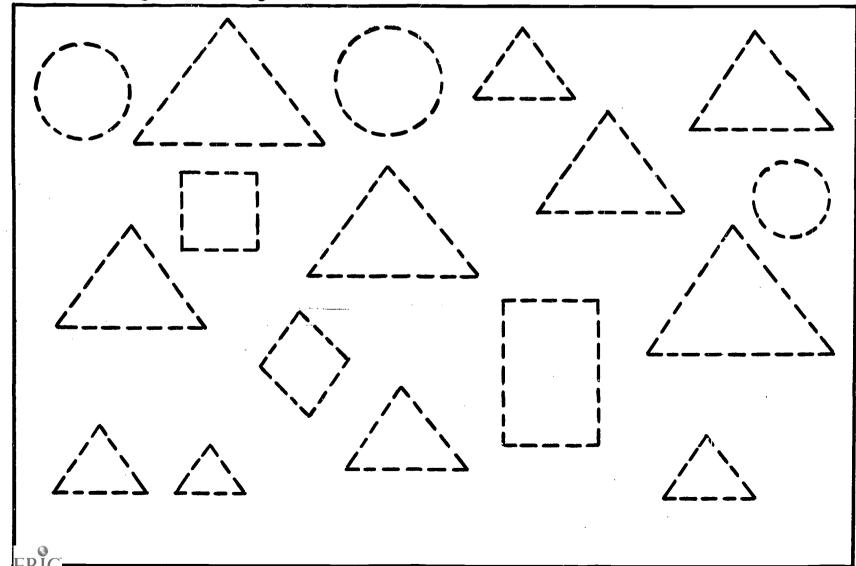


TANGRAMS To be used after completion of Card 16 Cut out these shapes. Arrange them to make the diamond. Poels and cold the

TRIANGLES

To be used after completion of Card 17

Trace only the triangles and color them.

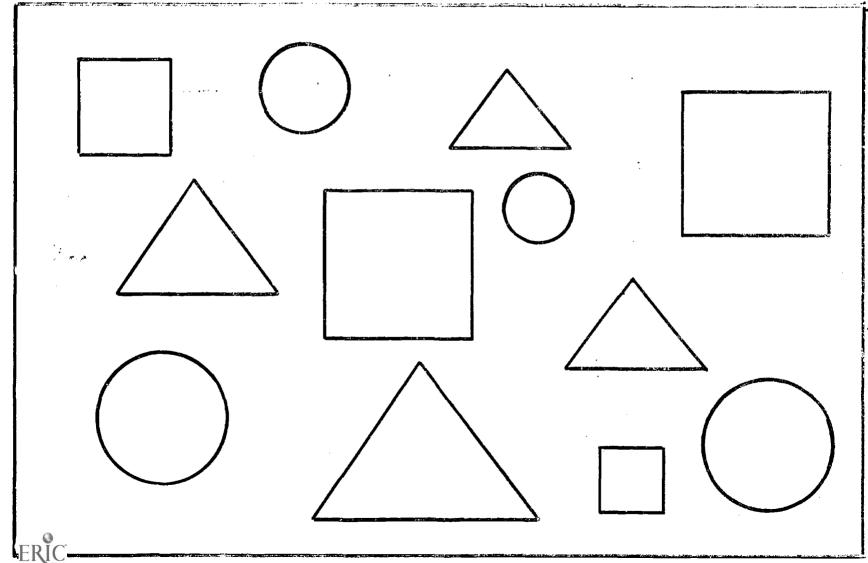


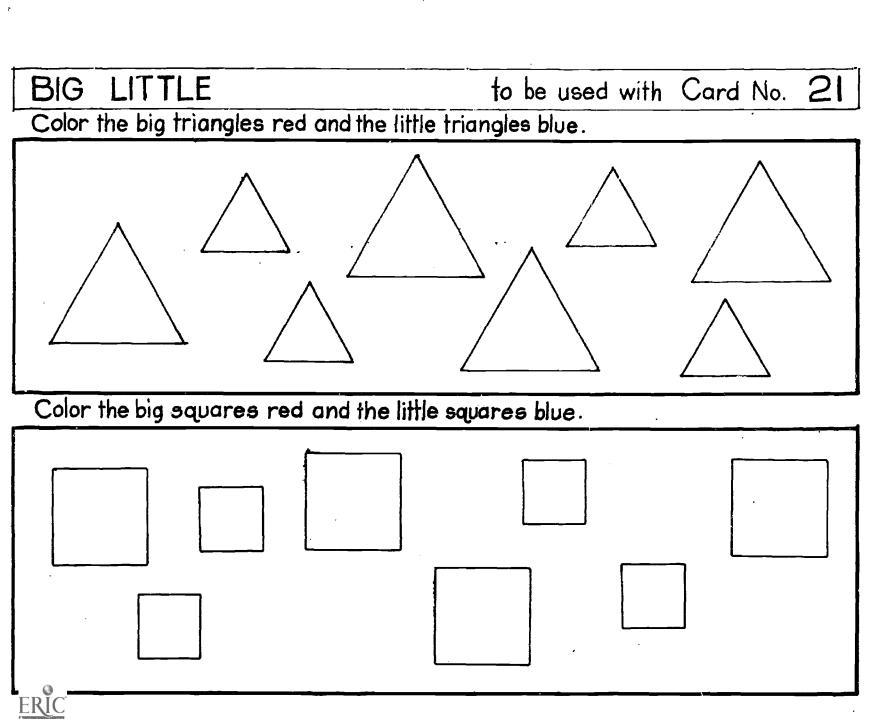
TANODANAC	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TANGRAMS	To be used after completion of Card 18	
Cut out these shapes.		
	· · · · · · · · · · · · · · · · · · ·	
	The second process of	
	** Tällphocystisenhelmäde äv	
Arrange them to make this ship- paste and color them.		
<u> </u>		
	<i>_</i>	
	7	
ERIC		

MATCHING SHAPES

To be used after completion of Card 19

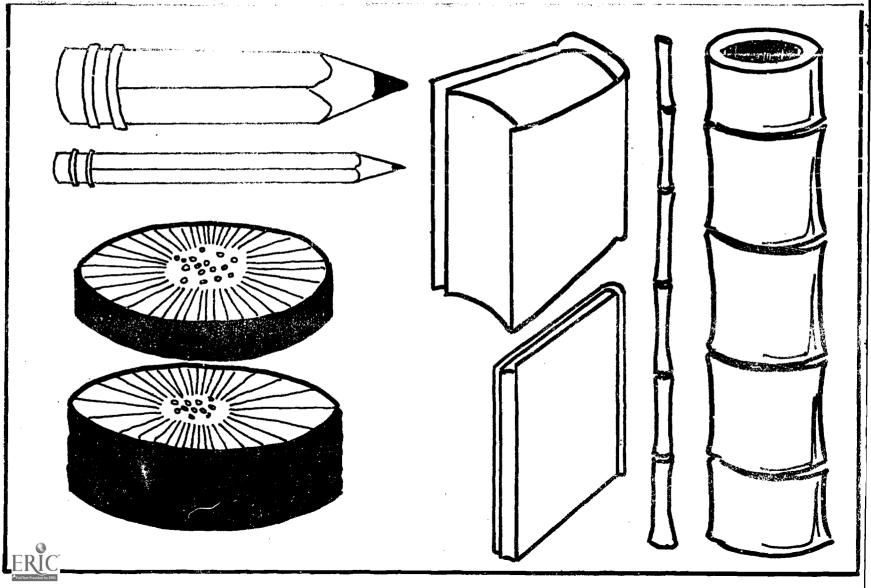
Color the circles green, squares blue, and triangles red.





SORTING BY THICKNESS To be used after completion of Card 22-23

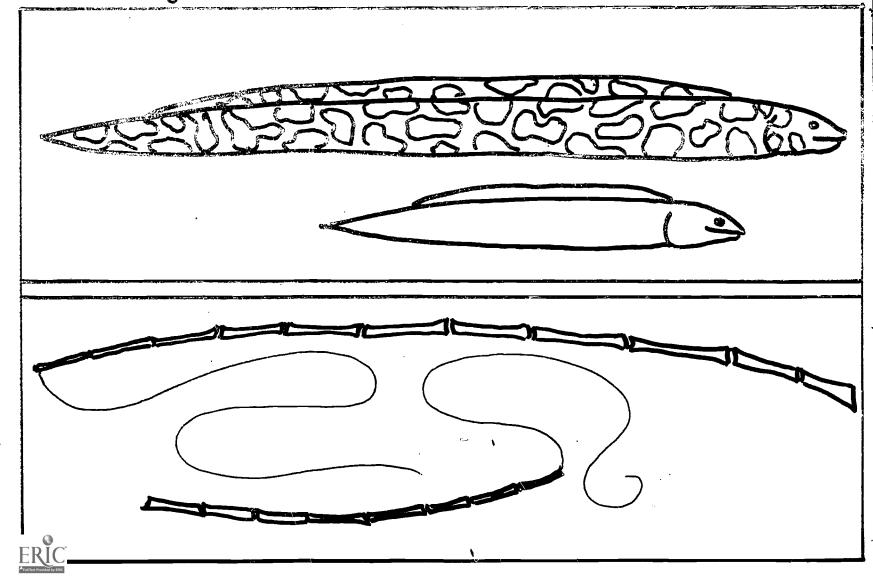
Color the thick things green and the thin things yellow.



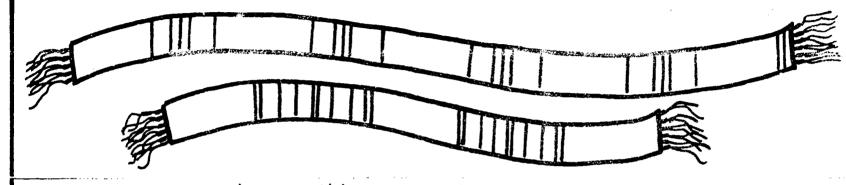
LONG - SHORT

To be used after completion of Card 26

Color the long eel brown. Draw a fish on the short fish line.



Color the short belt.



Trace and color the longer ribbon in each pair.

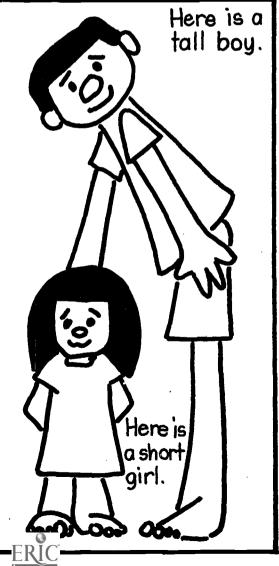


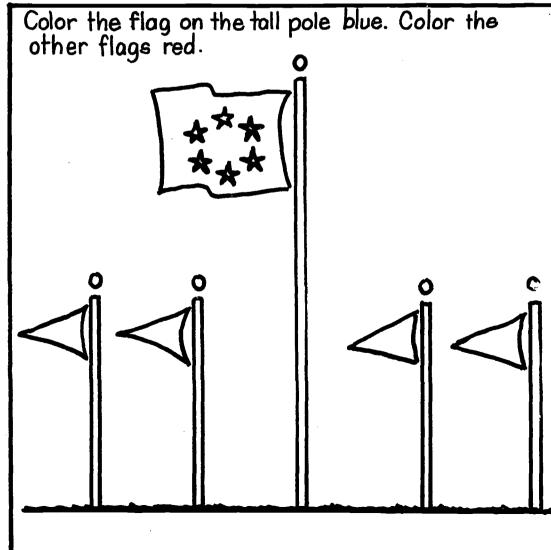
w a short fish. Color the long fish brown.

TALL - SHORT

To be used with Card 27

Draw these 2 children.

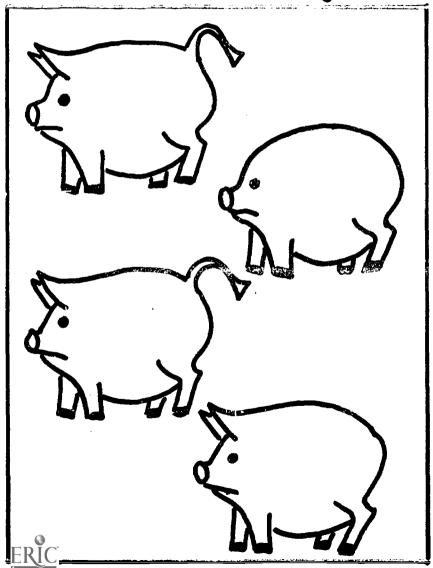


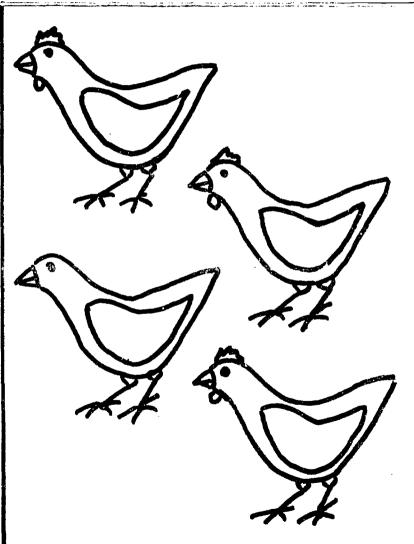


THE SAME AS

To be used with Card 28

In each set, color the things that are the same, the same color.

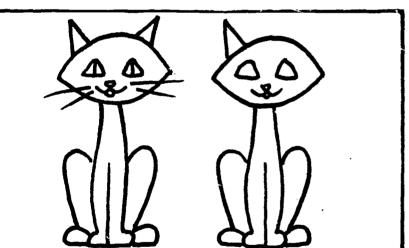


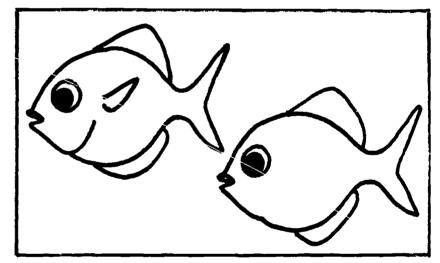


THE SAME AS

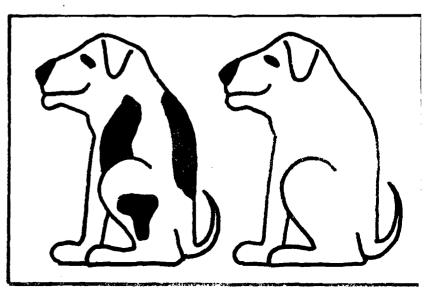
to be used with Card 29

Make the second member in each set look the same as the first.





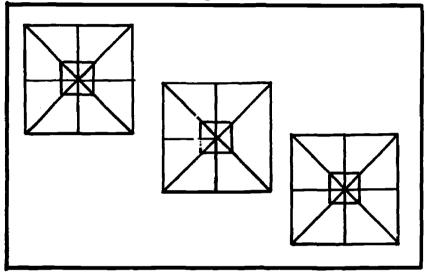


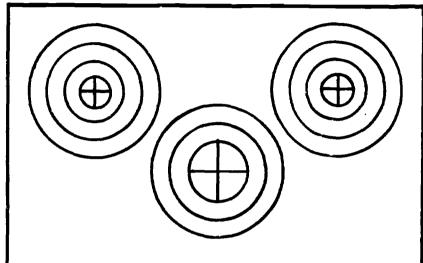


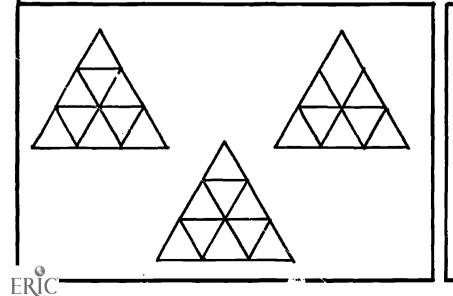
THE SAME AS

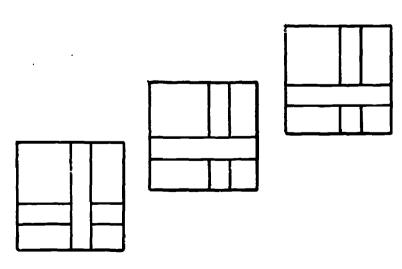
To be used with Card 30

Color the two objects that are alike in each set.





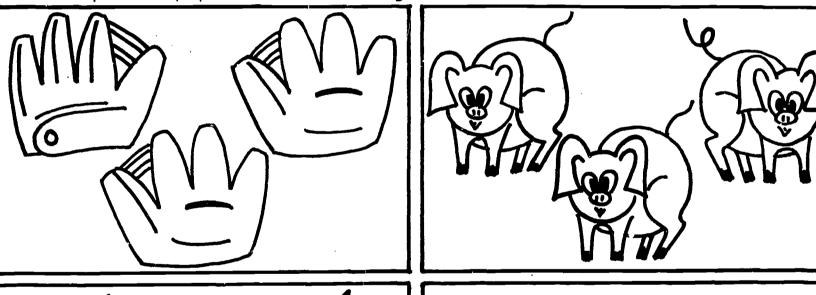




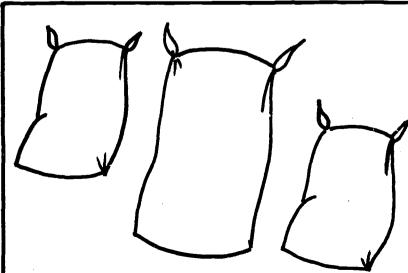
DIFFERENCES

To be used after completion of Card 34

Paste a piece of paper over the drawing that is different. Color the others.









ORDERING BY LENGTH

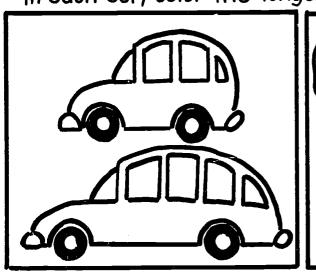
To be used after completion of Card 35

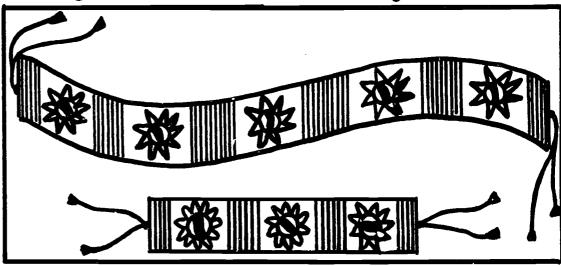
Color each of the ribbons so that the one below is shorter than the one just above it. The start ribbon is colored.	Color the longest stick brown Color the shortest stick green
FRIC	

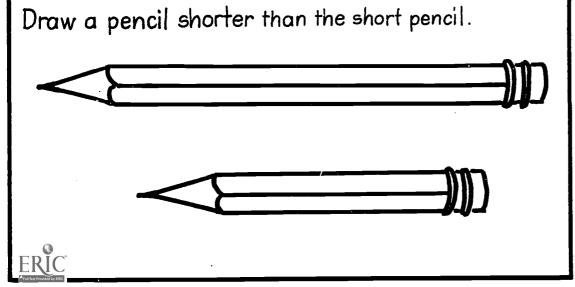
LONGER - SHORTER

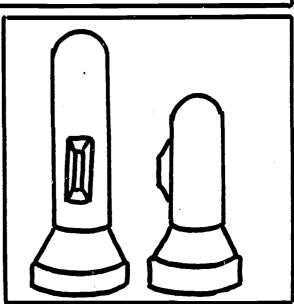
To be used with Card 35

In each set, color the longer things red. Color the shorter things blue.





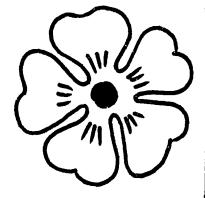


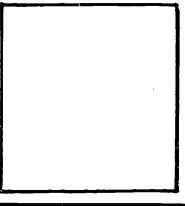


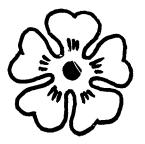
ORDERING OBJECTS BY SIZE

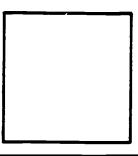
to be used with Card 36

Draw in the missing flowers so that the flowers will be shown in order of size.

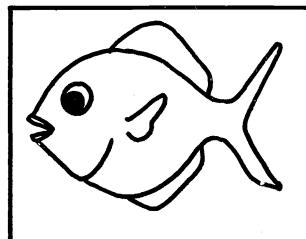




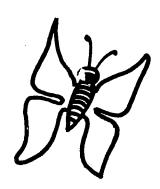








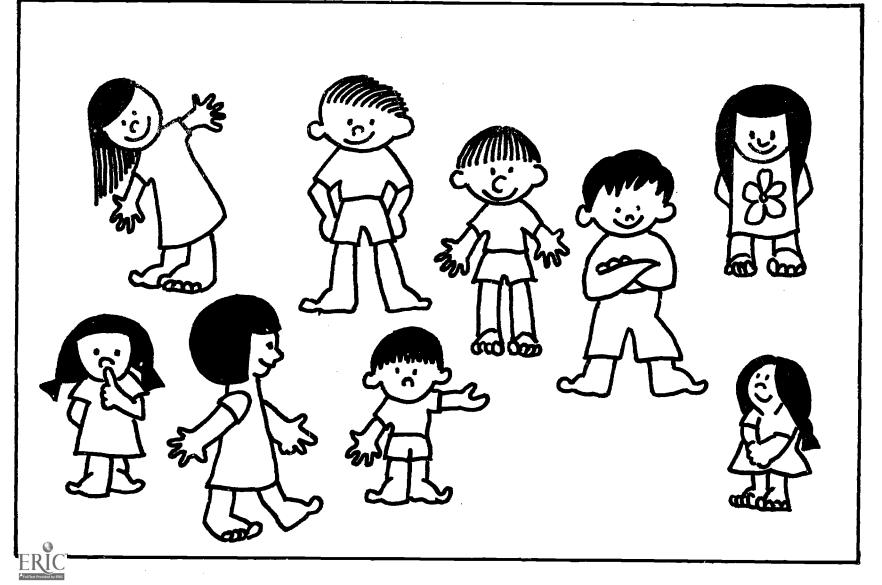
Taw a smaller fish.



Draw a larger butterfly.

MEMBERS, NOT MEMBERS OF A SET to be used with Card 41

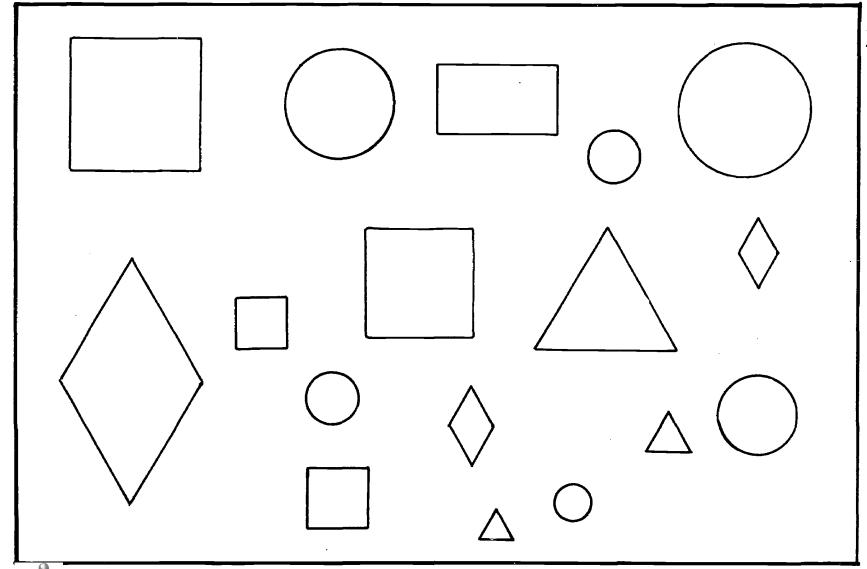
Ring the set of boys. Color the members of the set of boys. Mark X on the not members.



SORTING COMPLEMENTS

to be used with Card 42

Color the circles red. Color the not-circles blue.

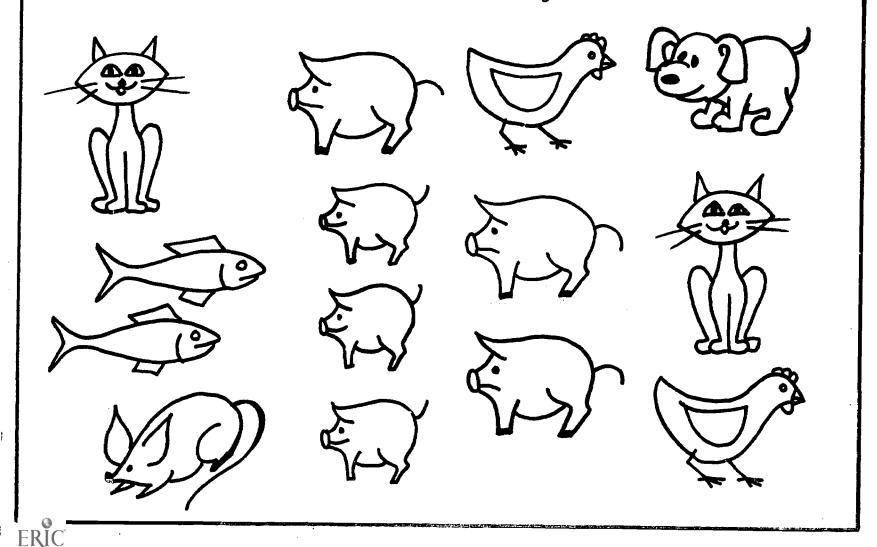




MEMBERS and NOT MEMBERS To be used after completion of Card 43

Ring the set of pigs. Next ring the set of small pigs.

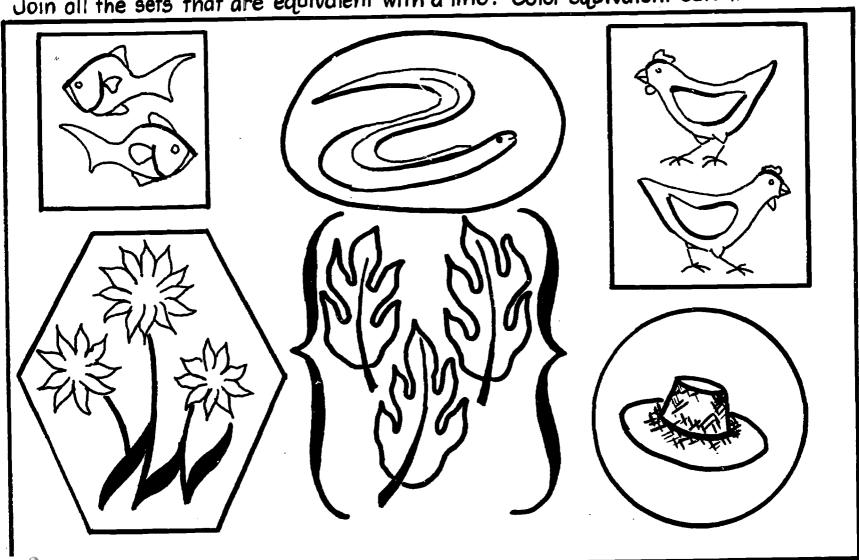
Color all the pigs brown. Write X on all the not-pigs.



SETS BY ATTRIBUTE OF NUMBERS

To be used with Card 45

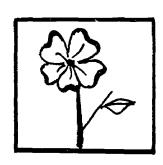
Join all the sets that are equivalent with a line. Color equivalent sets the same color.

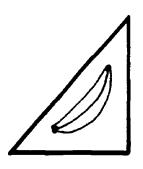


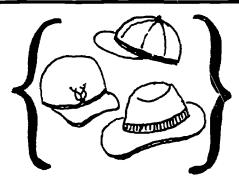
NUMBER I & NUMERAL I

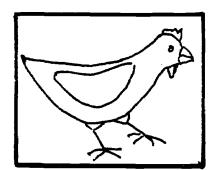
To be used with Card 46

Color the sets with one member.

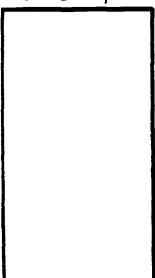




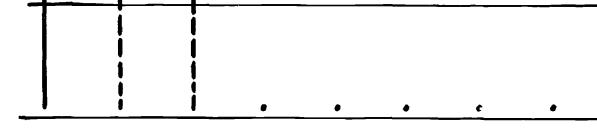




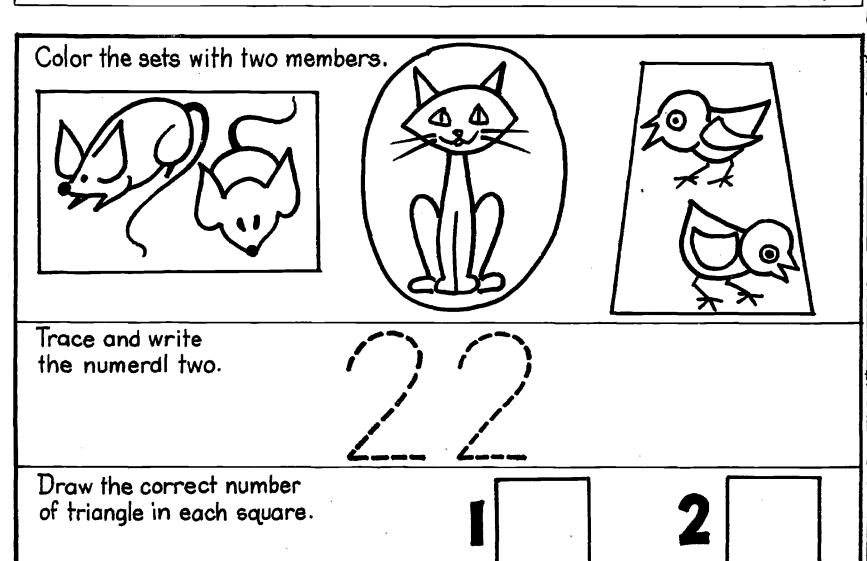
Draw one person.



Trace and write the numeral one.



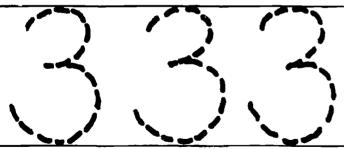




Color the sets with three members



Trace and write the number 3

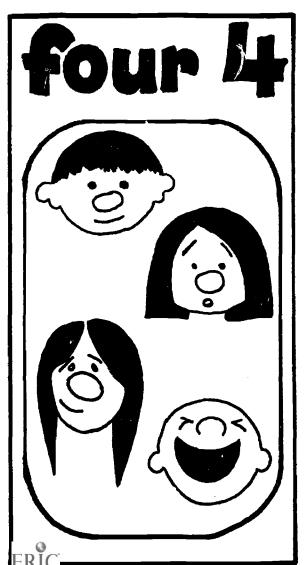


Draw the correct number of circles in each square.

one

two

three

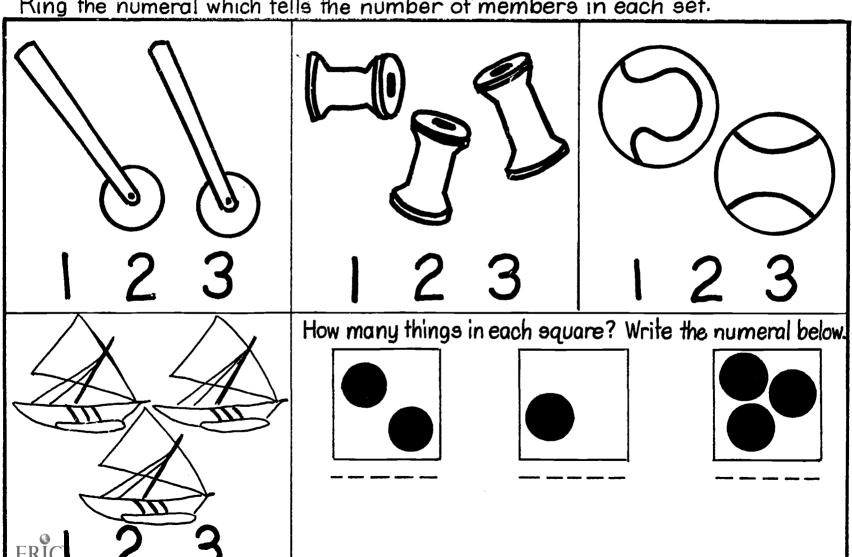


Draw 4 balls
Trace and write
Trace and write
Draw 4 bottles
Trace and write

NUMBER OF SETS

To be used with Card 50

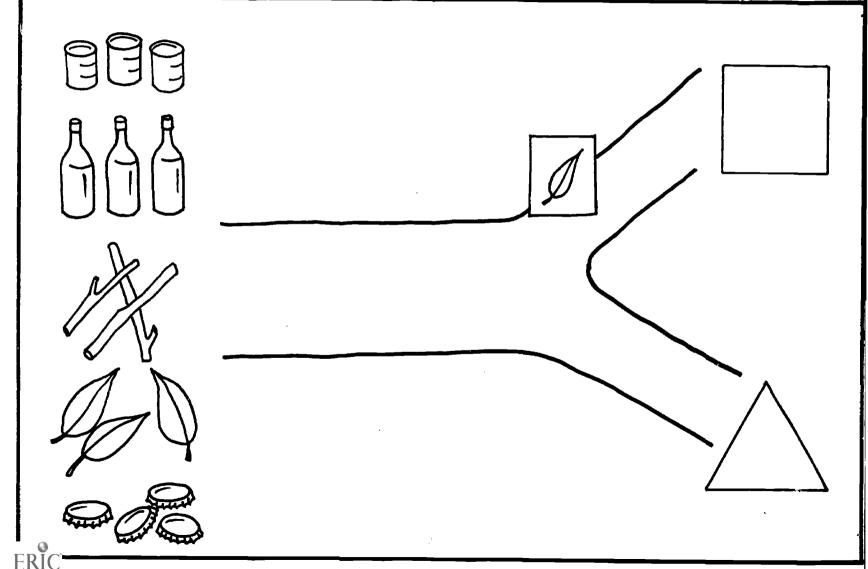
Ring the numeral which tells the number of members in each set.



ONE-CHOICE SORTING

To be used after completion of Card 52

Draw arrows from the set of objects along the road. Obey the road signs.



ONE-CHOICE SORTING To be used after completion of Card 53 Color the children's clothing to show that they obeyed the sign. = blue clothing START .

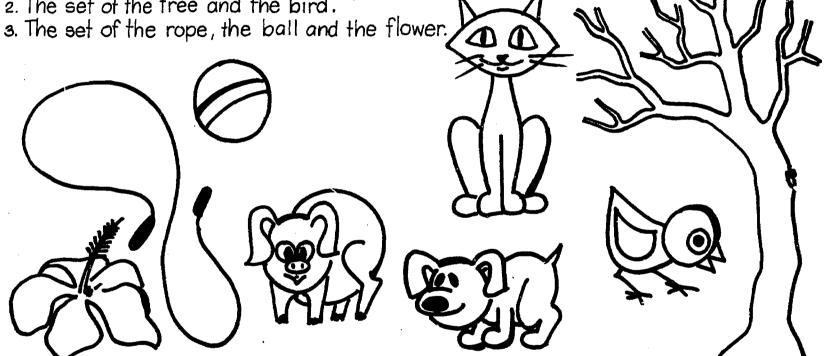
ERIC

SETS BY NOMINATION

To be used after completion of Card 54

Place set braces { } around each set. Name the set. Color all members of a set same color.

1. The set of the dog, the pig and the cat. 2. The set of the tree and the bird.



Color the members of this set.

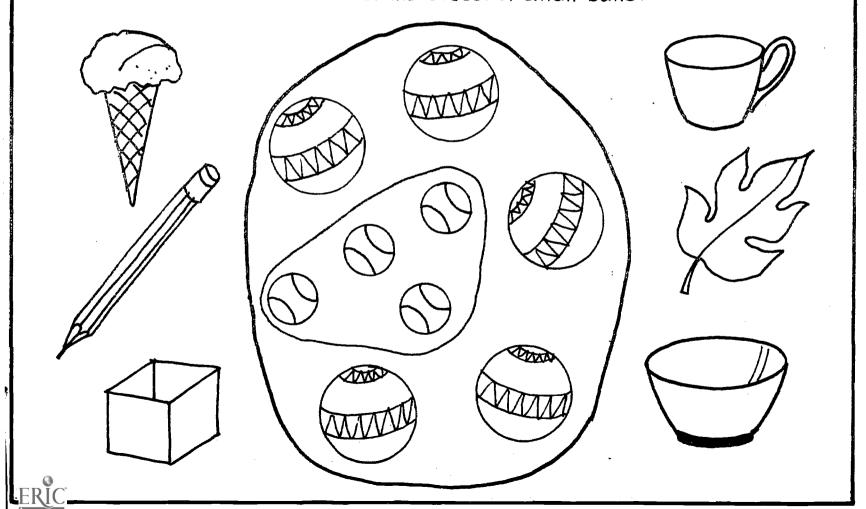
Say the members of the set.



STARTING SET, SET, SUBSET To be used after completion of Card 58

This is the starting set.

Color all members of the starting set. Write X on the members of the set of balls. Draw a line under the members of the subset of small balls.

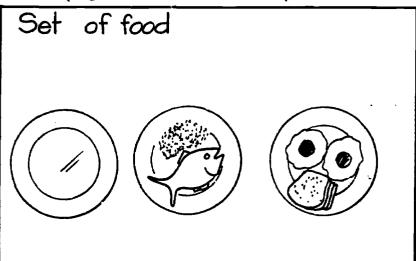


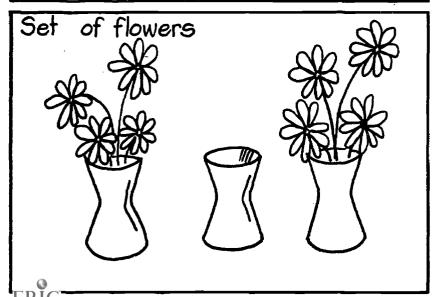
EMPTY SET

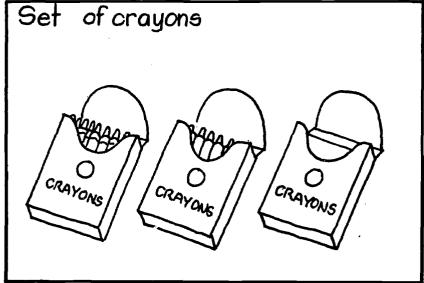
To be used after completion of Card 59

Write X on each empty set. Color the not empty sets.









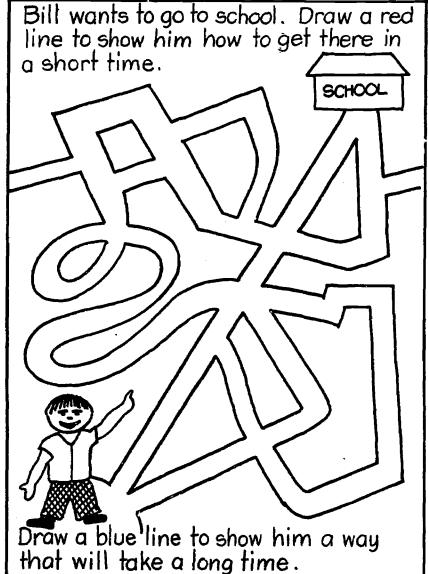
EMPTY SET	To be used after completion of Card 60
From the starting set draw the sets nar	med below. Write X on the empty set.
1. Starting set:	
The set of banana and coconut. Set of the tre	ee and the bird. Set of the leaf, shell and flower.
From the starting set draw the sets name	ed below. Write X on the empty set.
From the starting set draw the sets name 2. Starting set:	d below. Write X on the empty set.
2. Starting set:	

A LONG TIME, A SHORT TIME

To be used after completing Card 62

Here is a way to go to Guam that would take a long time.

Draw a picture to show how to travel to Guam in a short time.



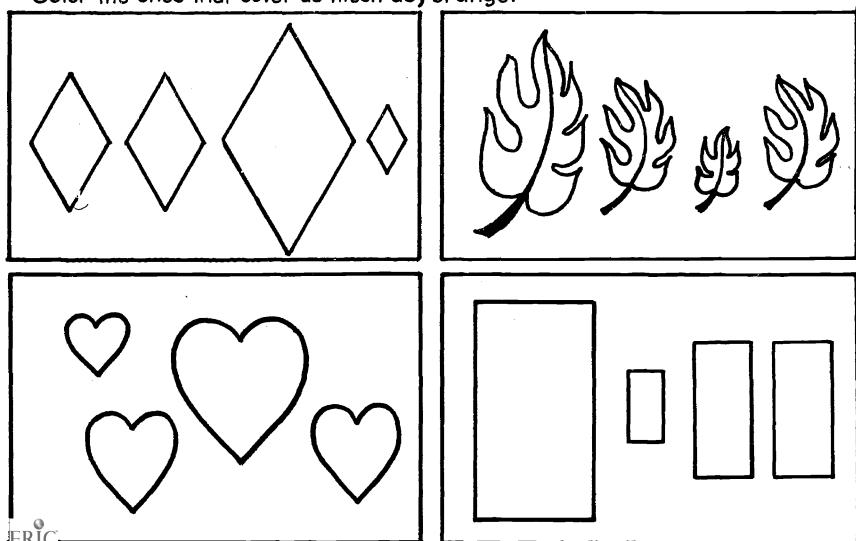
ERIC

Draw a cat far away from the house. Draw a girl far away from the tree. Draw a pig near the tree.

FRICN a man near the house.

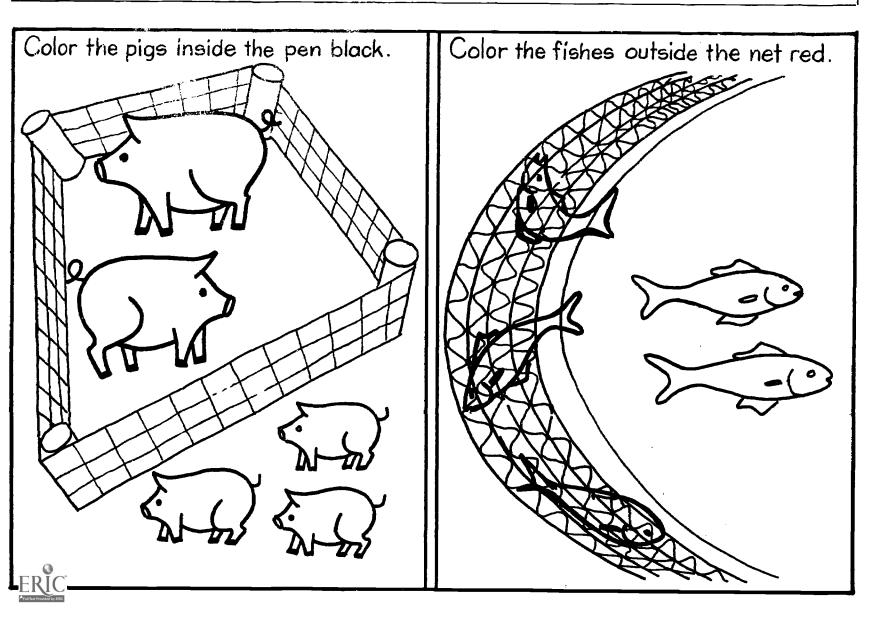
COVERS MORE THAN, LESS THAN, AS MUCH AS Card 65

Color the ones that cover more, red. Color the ones that cover less, green. Color the ones that cover as much as, orange.



INSIDE - OUTSIDE

To be used with Card 66

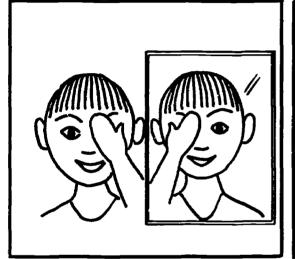


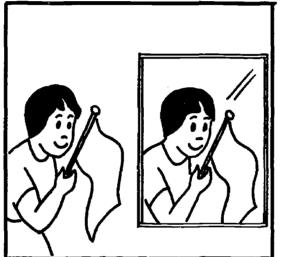
SYMMETRY To be used after completion of Card 68 Complete each drawing so that the two halves look the same.

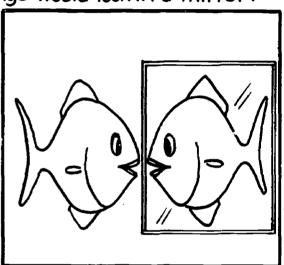
REFLECTIONS

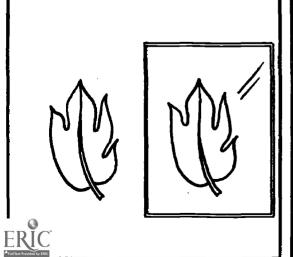
To be used after completion of Card 69

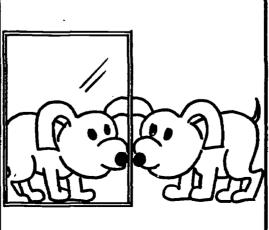
Color the pictures which show the way things would look in a mirror. Write X on the pictures which do not show the way things would look in a mirror.

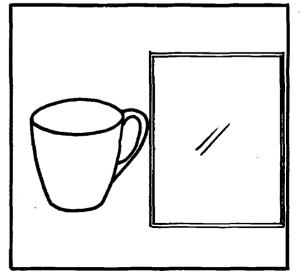




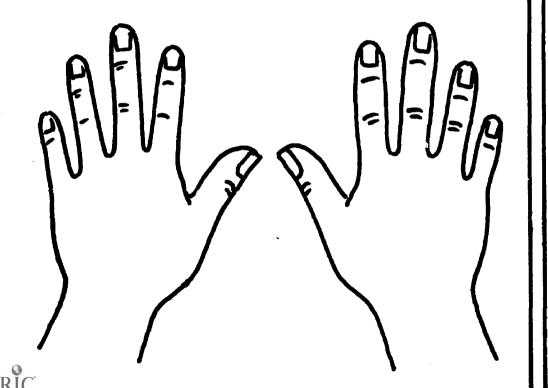




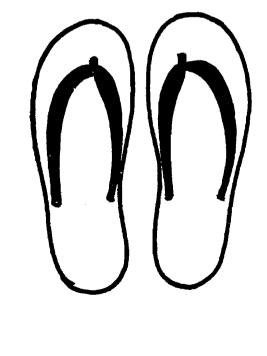




Place your hands or top of these hands.
Which is the left hand? Which is the right hand?
Draw a ring on the right hand.
Draw a watch on the left wrist.



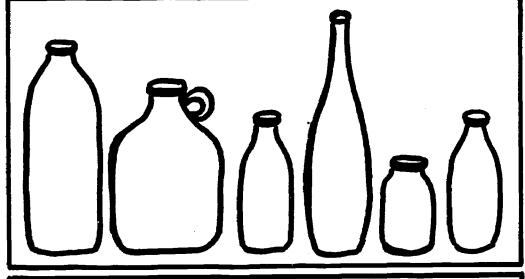
Color the left zori red. Color the right zori blue.



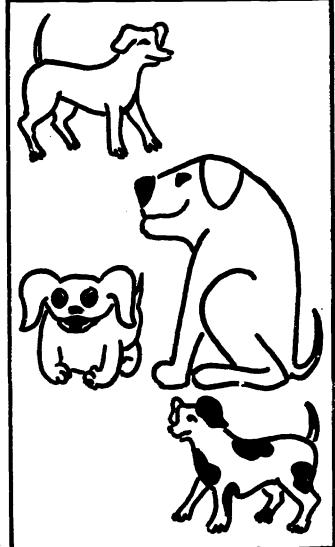
MATCHING SIZES

To be used with Card 71

In each set, color the things that are the same size, the same color.



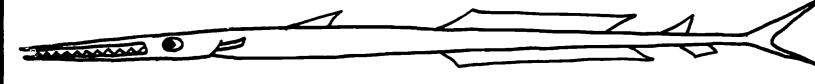




AS LONG AS

To be used after completion of Card 72

Here is a long needlefish. Draw another fish as long as this one.



Here is a long belt. Draw another belt as long as this one



0 0 0 0 0

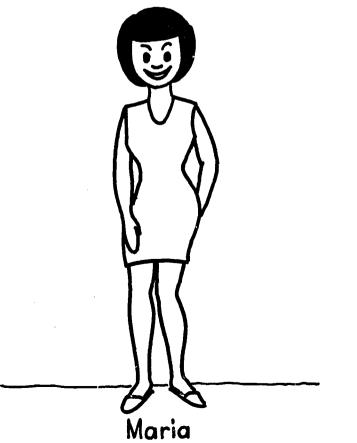


TANGRAMS To accompany Card 73 Color these shape. Cut them out. Paste them together to make this truck.

Draw a flagpole and flag as tall as the tree.

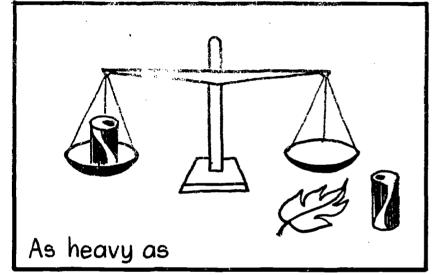
Draw Draw

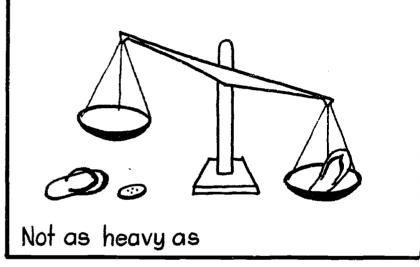
Draw a girl that is not as tall as Maria. Draw a boy as tall as Maria.

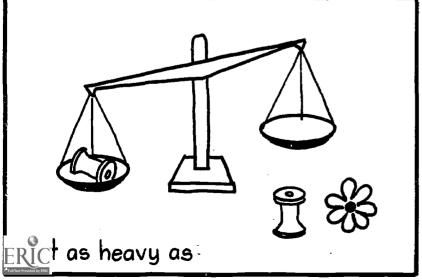


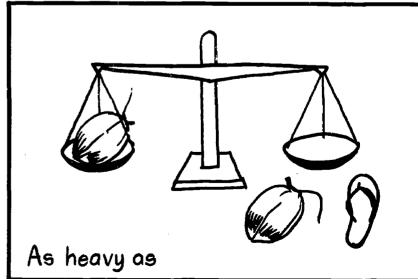
AS HEAVY AS, NOT AS HEAVY AS To be used after completing Cards 76:77

Ring the object that belongs in each balance pan.





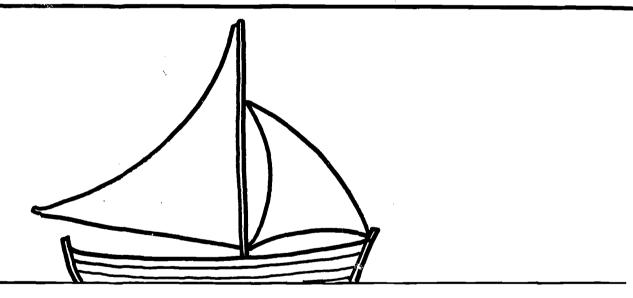




REFLECTIONS

To be used after completion of Card 78

Draw the reflection of the boat in the water. Color the boat and its reflection.

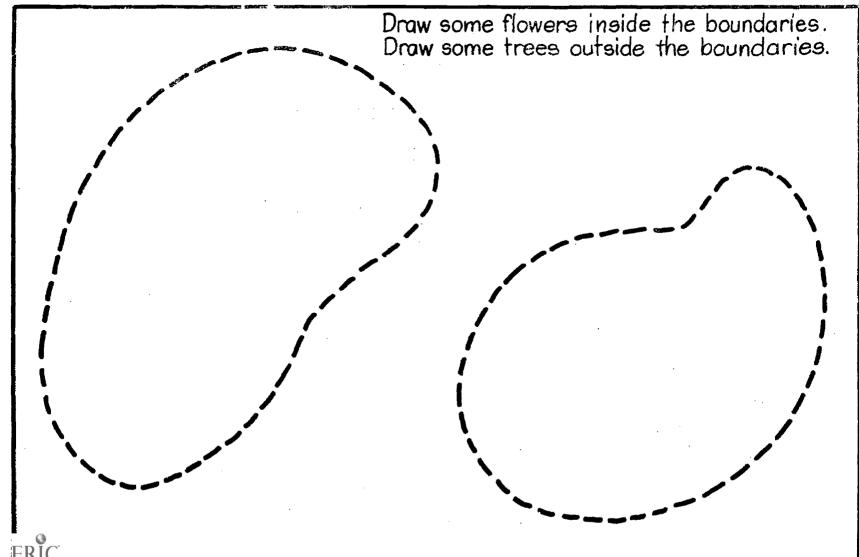




OUTSIDE

To be used with Card 79

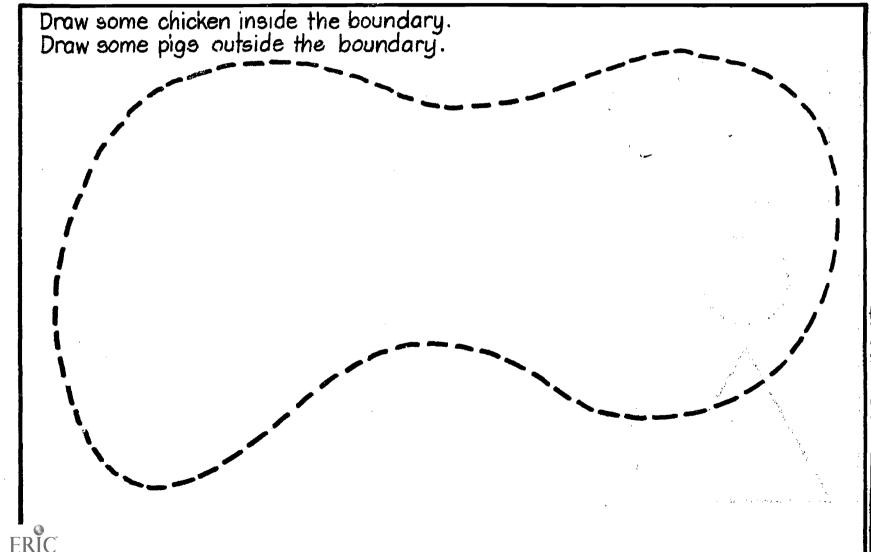
Trace the boundaries.



REGIONS, BOUNDARIES-INSIDE

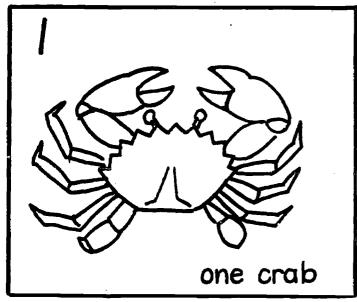
To be used with Card 80

Trace the boundary. Write X on the boundary.



SORTING SHAPES To be used with Card 81 Draw birds in the squares, houses in the circles and pigs in the triangles. Color them.

WRITING NUMERAL ONE - I



Draw I thing that you can see on the beach.

Trace the	numer	one. Fo	llow the	arrows.
4	↓	<u> </u>	4	4
Trace th	e numer	ral one. F	ollow the	arrows
Į.	Į;	4	4	1
Write the	e numer	ral one. [3egin at	the dot.
1	Į	Į	1	1
Write th	e numer	al one.		·
•		0		•

Write the numeral one.

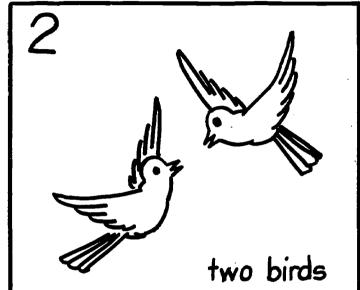
ERIC

WRITING ONE	
Trace the word one. Start at the dots.	lone
ohe ohe ohe	
Trace the word one.	
Tone one one	
Write the word one.	Draw one house.
	Write the numeral one in each square
Write the word one.	
<u> </u>	
Ring the word one	
ane ore one	

.

.

WRITING NUMERAL TWO - 2



Draw two things that you can see in the sky.

2

Trace the numeral two. Follow the arrows.

22222

Trace the numeral two. Follow the arrows.

Write the numeral two. Begin at the dot.

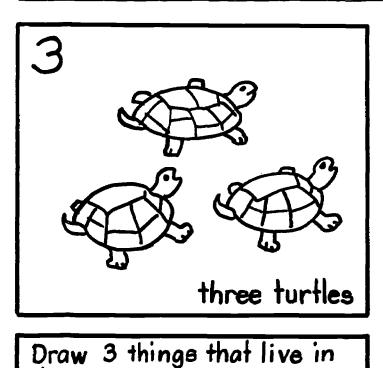
Write the numeral two.

Write the numeral two.

ERIC

Trace the word two. Start at the dots. Trace the word two.
Write the word two.
Write the word two.
Ring the word two

WRITING NUMERAL THREE - 3



Trace the numeral three. Follow the arrows.

Trace the numeral three. Follow the arrows.

Write the numeral three. Begin at the dot.

Write the numeral three.

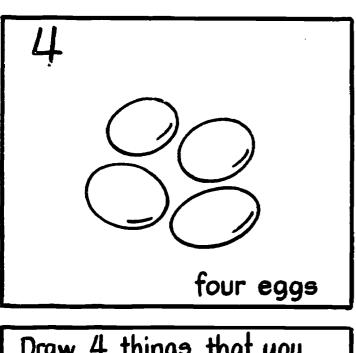
Write the numeral three.

3

the sea.

WRITING THREE	
Trace the word three. Start at the dots. Three Three Trace the word three.	3 three
three three	
Write the word three.	Draw three birds. Write the numeral three.
Write the word three.	3
Ring the word three.	
three tree thee	

WRITING NUMERAL FOUR - 4



Trace the numeral four. Follow the arrows.

Trace the numeral four. Follow the arrows.

Write the numeral four. Begin at the dot.

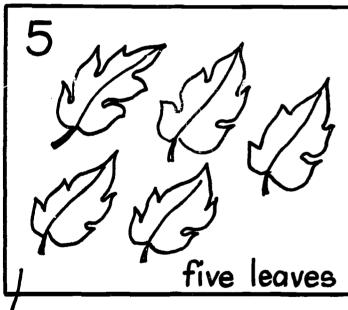
Draw 4 things that you like to eat.

Write the numeral four.

Write the numeral four.

WRITING FOUR	
4 four	Trace the word four. Start at the dots.
	four four four
	Trace the word four.
	four four four
Draw four flowers.	Write the word four.
Write the numeral four.	
4	Write the word four.
	Ring the word four.
	f170x-f077x
ERIC Paulint resolution (III)	

WRITING NUMERAL FIVE - 5



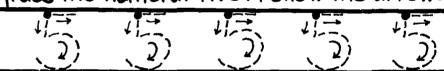
Draw 5 things that grow on trees.

5

Trace the numeral five. Follow the arrows.

55555

Trace the numeral five. Follow the arrows.



Write the numeral five. Begin at the dot.

Write the numeral five.

Write the numeral five.

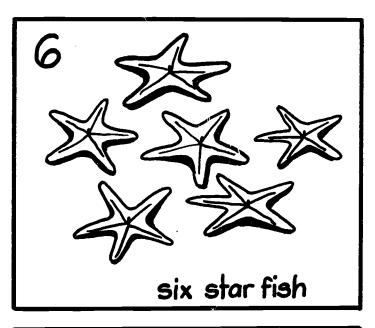


WRITING FIVE	
Trace the word five. Start at the dots. five five five	5 five
Trace the word five.	- -
five five five	-
Write the word five.	Draw five leaves. Write the numeral five.
Write the word five.	5
Ring the word five.	
four fibe five	

_

35 1

WRITING NUMERAL SIX - 6



Trace the numeral six. Follow the arrows.



Trace the numeral six. Follow the arrows.



Write the numeral six. Begin at the dots.

Draw & things that you can play with.

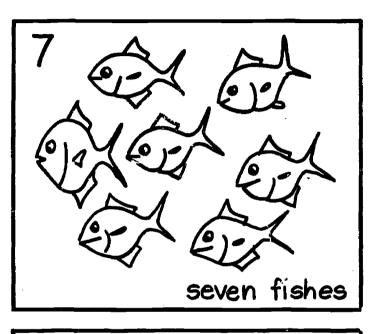
6

Write the numeral six.

Write the numeral six.

WRITING SIX	
6 six	Trace the word six. Start at the dots.
	SIX SIX SIX
	Trace the word six.
	SIXSIXSIX
Draw six squares.	Write the word six.
Write the numeral six.	
6	Write the word six.
	Ring the word six.
	Tang The Word Off.
ERIC	SOX SOX SIX

WRITING NUMERAL SEVEN - 7



Trace	the	numen	al seven	. Follow	the arrows
7/		7/	7	7/	7/

Trace the numeral seven. Follow the arrows.

Write the numeral seven. Begin at the dot.

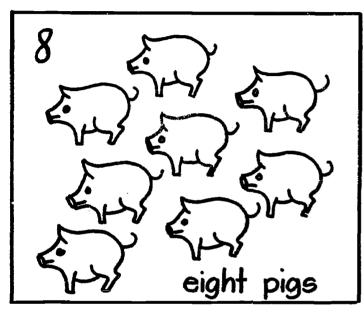
Draw 7 things that you can find at home.

Write the numeral severi.

Write the numeral seven.

WRITING SEVEN	
Trace the word seven. Start at the dots.	7 seven
seven seven	
Trace the word seven.	
seven seven	
Write the word seven.	Draw seven stars.
	Write the numeral seven.
Write the word seven.	
Ring the word seven.	
ever seven sevin	

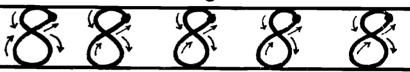
WRITING NUMERAL EIGHT - 8



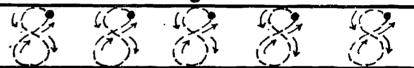
Draw 8 things that you have in school.

8

Trace the numeral eight. Follow the arrows.



Trace the numeral eight. Follow the arrows.



Write the numeral eight. Begin at the dot.

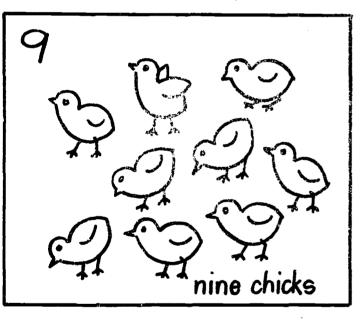
Write the numeral eight.

Write the numeral eight.

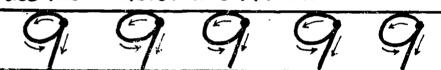
WRITING EIGHT	
8 eight	Trace the word eight. Start at the dots.
O eigin	eight eight
	Trace the word eight.
	eight eight
Draw eight hats.	Write the word eight.
Write the numeral 8.	
8	Write the word eight.
	Ring the word eight.
ERIC	eitht eiath eiaht

.

WRITING NUMERAL NINE - 9



Trace the numeral nine. Follow the arrows.



Trace the numeral nine. Follow the arrows



Write the numeral nine. Begin at the dot.

Draw 9 things you can find at the store.

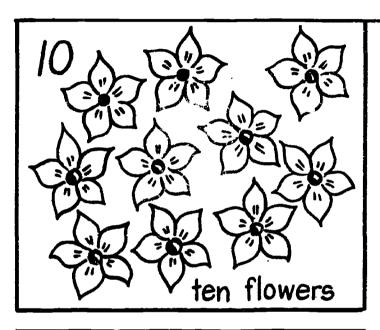
9

Write the numeral nine.

Write the numeral nine.

SF L	
WRITING NINE	
Trace the word nine. Start at the dats.	9 nine
nine nine nine	
Trace the word nine.	
hine hine hine	
Write the word nine.	Draw nine nails
	Write the numeral nine
Write the word nine.	9
Ring the word nine.	
Ericeni nire nine	

WRITING TEN - 10



Trace ten. Follow the arrows.

Write ten. Begin at the dots.

Trace ten. Follow the arrows.

11.1.1.1.1.1.

Write ten.

Write ten.

Draw 10 things that you know the English word for.

10

ERIC

Full Text Provided by ERIC

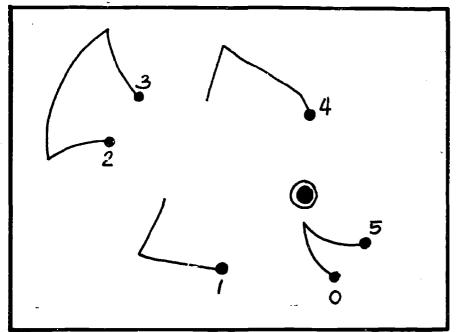
Trace ten. Start at the dots. ten ten ten Trace the word ten.	WRITING TEN	
Trace the word ten.	0 ten	Trace ten. Start at the dots.
tententen		ten ten ten
	·	Trace the word ten.
		ten ten ten
Write the word ten.	Dagus kasa kasana laa	Write the word ten.
Draw ten triangles Write ten		
Write the word ten.	0	Write the word ten.
Ring the word ten.		Ring the word ten.
Tin ten ter.		tin ten ter.

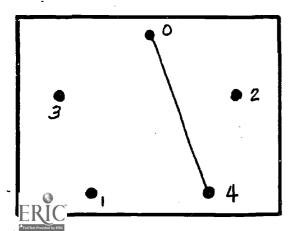
WRITING ZERO	
	Trace the number zero. Follow the arrows. Trace the numeral zero. Follow the arrows.
Draw a container that is empty.	Write the numeral zero. Begin at the dot.
0	Write the numeral zero.
ERÎC.	Write the numeral zero.

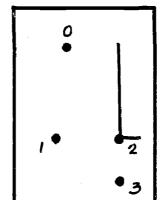
WRITING ZERO	
0 zero	Trace the word zero. Start at the dots.
0 2010	zero zero zero
	Trace the word zero.
	zero zero zero
Draw a box with zero crayons.	Write the word zero.
Write 0 in each square.	Write the word zero.
	Ring the word zero.
ERIC.	ziro zero zeno

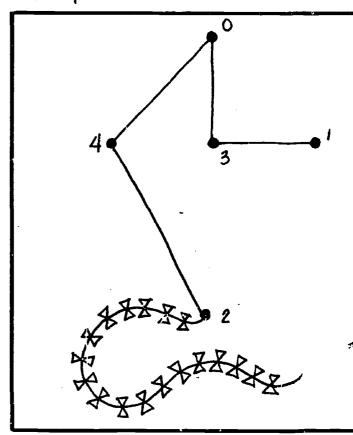
NUMBER SEQUENCE - 0 to 5

Connect the dots in numerical order. Color the pictures.







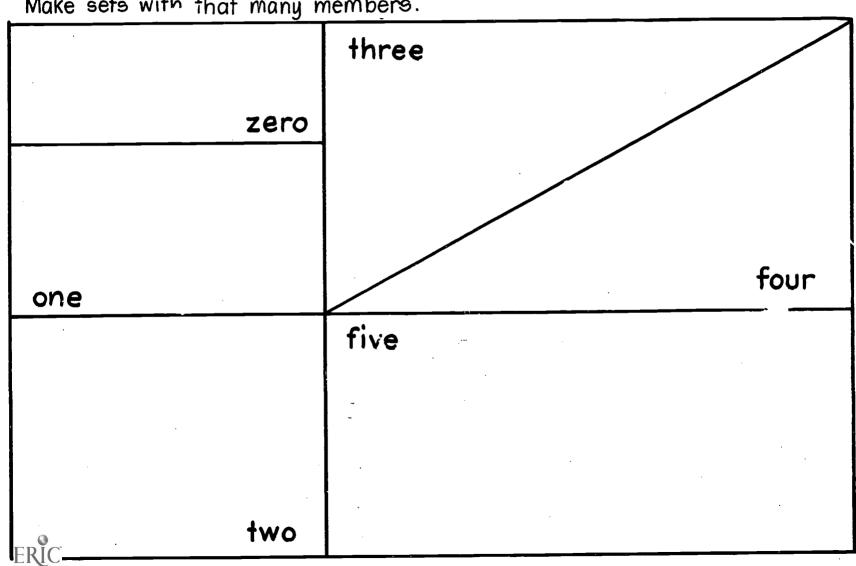


Read these numbers.

012345

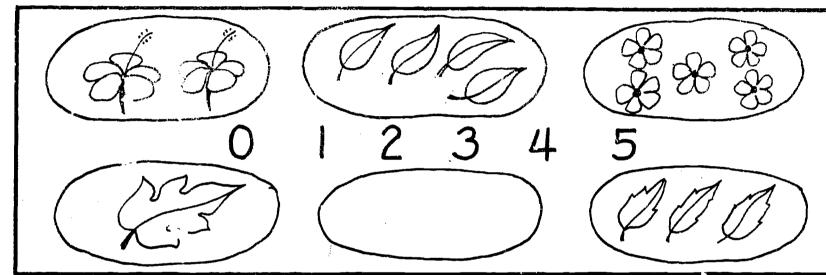
NUMBERS ZERO TO FIVE

Read the number words. Write the numerals next to the words. Make sets with that many members.



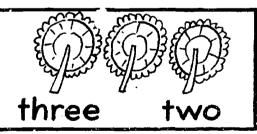
NUMBERS ZERO TO FIVE

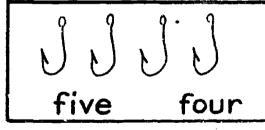
Draw a line from the numeral to the set.

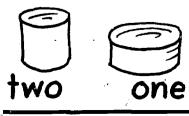


Ring the correct word.







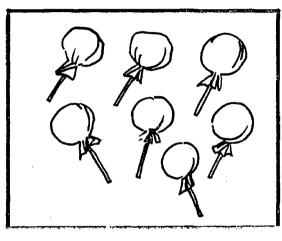


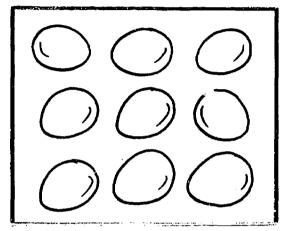


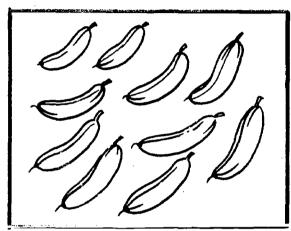
zero four



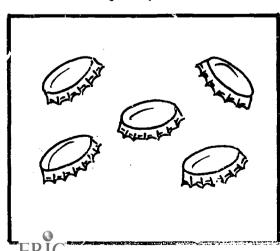
NUMBERS 5 to 10

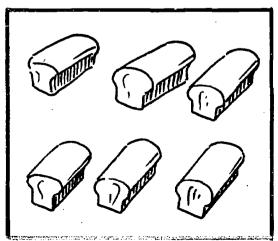


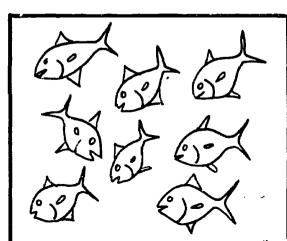




5678910

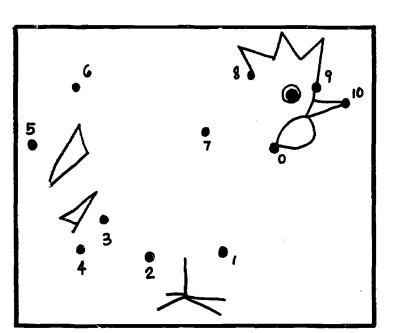






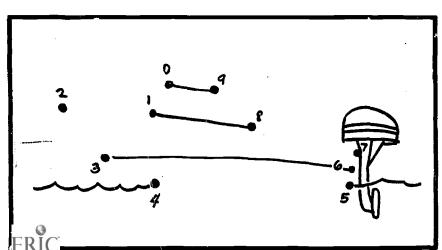
NUMBERS SIX TO TEN Read the number word. Write the correct numeral next to it. Make sets with that many members. seven six eight nine ten

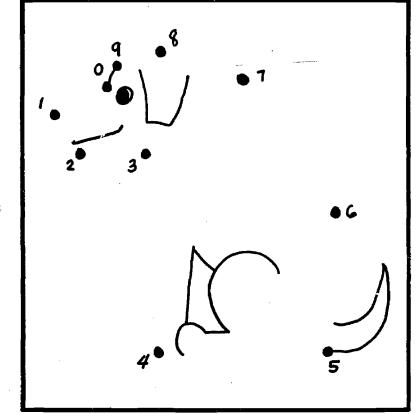
NUMBER SEQUENCE - 0 to 10



Read these numbers in order.

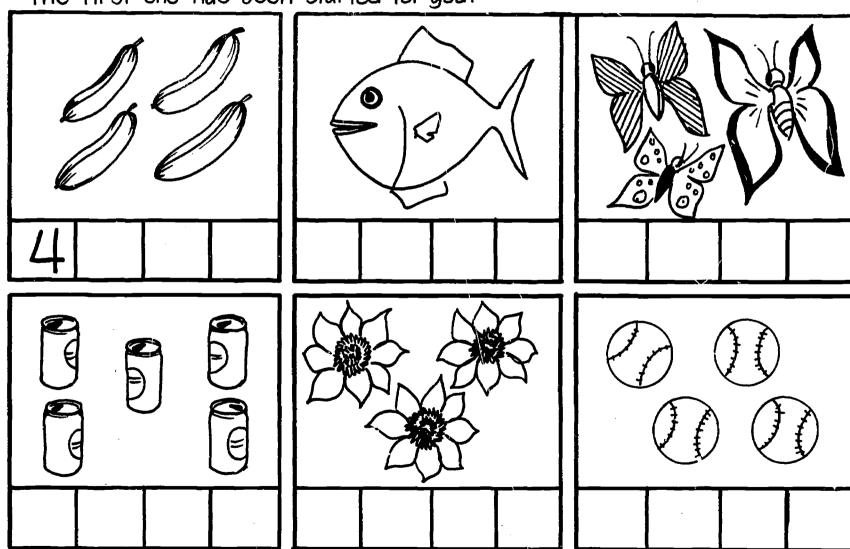
0 1 2 3 4 5 6 7 8 9 10





REVIEW NUMERALS 1 to 5

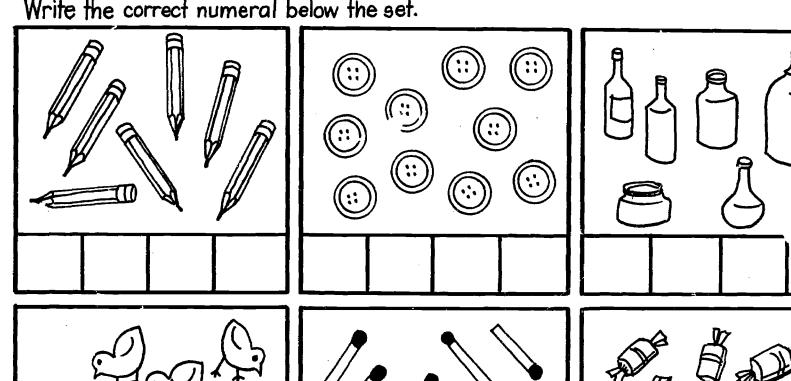
Write the correct numeral below the set. The first one has been started for you.

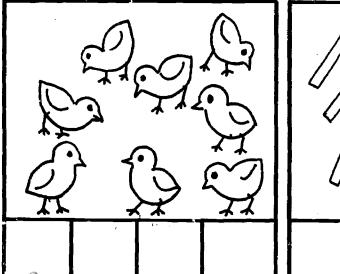


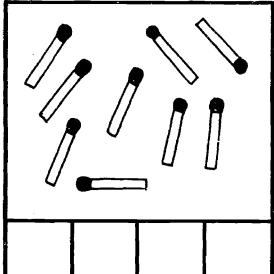


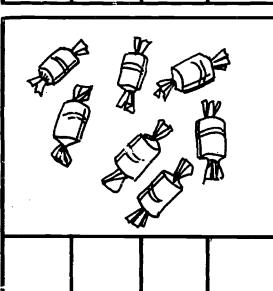
NUMERALS 6 to 10

Write the correct numeral below the set.









NUMERALS 1 to 9

						i		
2			·					
3			·		-			
4							·	
5		,			•			
6		·					•	
7	-							
8								
PERIC 9	•							